

DMP 1/22/04
DJS 1/22/04

Abstract

A system and a method for providing more gain while minimizing the potential for parasitic oscillation and amplified spontaneous emissions in an optical amplifier or laser system, utilizing a partitioned monolithic gain element. The monolithic gain element being partitioned into

- 5 discontinuous amplifying gain regions such that parasitic modes and amplified spontaneous emissions are substantially obviated